

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-3165)						PAGE 1 OF 2	
						DATE: June 27 2006	
TO: The Record				FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090			
RIVER/HARBOR NAME AND STATE: Shrewsbury River, New Jersey					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
Reach A: From Bay to Highland: Starts in Sandy Hook Bay 50 ft south of GREEN BUOY W/LIGHT #3 EBB TIDE, ends approx. 500 ft south of Route 36 Bridge.	Map 408 Pg 2, 3, 4, 5, 6 of 26 April - May 2006	300	1.82	12	2.2	7.8	7.0
Reach B: From Highland to Junction: Starts 500 ft south of Route 36 Br. ends at the junction of North and South Branches, 300 ft north of RED GREEN BUOY W/LIGHT "NS" EBB TIDE.	Map 408 Pg. 6 of 26 April - May 2006	150	0.42	9	13.1	11.3	10.1
Reach C: From Junction to Buoy #38: Starts at the junction of North and South Branches, (300 ft north of RED GREEN BUOY W/LIGHT "NS" EBB TIDE.) ends at RED BUOY W/ LIGHT #38 EBB TIDE in the South Branch. PARTIAL, SURVEY ENDS 900 FEET LANDWARD FROM Red Buoy w/ Light #28.	Map 408 Pg 6, 7, 17, 18, 19, 20 of 26 April - May 2006	150	3.61	9	3.7	2.0	2.1
Reach G: To Oceanic Bridge: Starts at the junction of North and South Branches, (300 ft north of RED GREEN BUOY W/LIGHT "NS" EBB TIDE.) ends Oceanic Bridge, in the North Branch	Map 408 Pg, 7, 8, 9, 10 of 26 April - May 2006	150	1.84	6	1.5	2.1	1.0
Reach H: To Red Bank: Starts at Oceanic Bridge, ends at RED NUN #24 EBB TIDE. PARTIAL, SURVEY ENDS APPROXIMATELY ONE MILE LANDWARD FROM OCEANIC BRIDGE	Map 408 Pg 10, 11, 12 of 26 April - May 2006	150	3.2	6	3.3	6.9	7.5
REMARKS: <ul style="list-style-type: none"> All depths are in reference to Mean Low Water (MLW) Channel shoaling <ul style="list-style-type: none"> Reach A: Shoaling exists along the left and right edge of the channel and eventually extends across the entire width of the channel from the beginning of this reach to approximately 200 feet landward of Green Buoy #5. There is shoaling on the right edge of the channel starting at Red Nun #6 and extending about 400 feet landward. A spot shoal exists in the left outside quarter about 900 feet landward of Green Buoy w/ Light #9 and a shoal exists for about 350 feet along the right edge of the channel about 1300 feet landward of Green Buoy w/ Light #9. Shoaling exists in the right quarter of the channel, about 400 feet landward of Red Nun #10. Shoaling exists across the entire channel width beginning approx. 1200 feet landward of Red Nun #10 and ending at approx. 2500 feet landward of Red Nun #10. Reach B: No shoals. 							

REMARKS (Continued):**PAGE****2****OF****2**

- **Reach C:** Shoaling exists across the entire channel's width starting about 200 feet landward of Red-Green Buoy w/ Light "NS" and it extends to about 250 feet seaward of the same buoy. Shoaling exists in the left quarter of the channel starting about 400 feet seaward of Red Nun #22 and extends about 300 feet seaward. Shoaling exists across the entire channel's width starting about 550 feet seaward of Red Buoy w/ Light #28 and it extends to about 800 feet landward of the same buoy. SURVEY ENDS 900 FEET LANDWARD FROM Red Buoy w/ Light #28.
- **Reach G:** Shoaling exists in the left outside quarter and spot shoals are present in the middle half channel about Red Nun #2 near Green Can #1 landward. Shoaling exists in the right outside quarter and in mid channel starting at about Red Nun #4 and extends about 250 feet landward beyond Red Nun #6 from 450 feet landward of Red Nun #10 to the end of the reach shoaling exists in numerous areas across the channel width.
- **Reach H:** Shoaling exists in left outside quarter on an 800 feet length landward starting from the Oceanic Bridge. SURVEY ENDS APPROXIMATELY ONE MILE LANDWARD FROM OCEANIC BRIDGE